INTERNATIONAL SEARCH REPORT

International application No.

| | PCT/JP2004/005457 | | |
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| A CLASSIFICATION OF SUBJECT MATTER Int.Cl ⁷ B01J27/053, B01J27/18, C07C68/04, C07C69/96 | | | |
| According to International Patent Classification (IPC) or to both national classification and IPC | | | |
| B. FIELDS SEARCHED | | | |
| Minimum documentation searched (classification system followed by classification symbols) Int.Cl ⁷ B01J21/00-38/74, C07C68/04, C07C69/96 | | | |
| | | | |
| Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Jitsuyo Shinan Koho 1922-1996 Toroku Jitsuyo Shinan Koho 1994-2004 Kokai Jitsuyo Shinan Koho 1971-2004 Jitsuyo Shinan Toroku Koho 1996-2004 | | | |
| Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) JSTPlus (JOIS), CA (STN) | | | |
| C. DOCUMENTS CONSIDERED TO BE RELEVANT | | | |
| Category* Citation of document, with indication, where ap | propriate, of the relevant passages Relevant to claim No. | | |
| X JP 2001-31629 A (Director Ge A Industrial Science and Techno 06 February, 2001 (06.02.01), Claims; examples (Family: none) | ology), 2,4,6 | | |
| Further documents are listed in the continuation of Box C. * Special categories of cited documents: | See patent family annex. "T" later document published after the international filing date or priority | | |
| "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent but published on or after the international filing date | date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone | | |
| "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means document published prior to the international filing date but later than the priority date claimed | "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art document member of the same patent family | | |
| Date of the actual completion of the international search 22 July, 2004 (22.07.04) | Date of mailing of the international search report 10 August, 2004 (10.08.04) | | |
| Name and mailing address of the ISA/ Japanese Patent Office | Authorized officer | | |
| Facsimile No. Telephone No. Form PCT/ISA/210 (second sheet) (January 2004) | | | |

PATENT COOPERATION TREATY

From the INTERNATIONAL BUREAU

PCT

FIRST NOTICE INFORMING THE APPLICANT OF THE COMMUNICATION OF THE INTERNATIONAL APPLICATION (TO DESIGNATED OFFICES WHICH DO NOT APPLY THE 30 MONTH TIME LIMIT UNDER ARTICLE 22(1))

(PCT Rule 47.1(c))

To:

OKUYAMA, Shoichi 8th Floor, Akasaka NOA Bldg. 2-12, Akasaka 3-chome Minato-ku, Tokyo 1070052 JAPON

| Date of mailing (day/month/year) 18 November 2004 (18.11.20 | 04) | |
|--|---|---|
| Applicant's or agent's file reference 1429 | | IMPORTANT NOTICE |
| International application No. PCT/JP2004/005457 | International filing date (day/month/year) 16 April 2004 (16.04.2004) | Priority date (day/month/year) 18 April 2003 (18.04.2003) |

Applicant

MITSUBISHI HEAVY INDUSTRIES LTD. et al

- 1. ATTENTION: For any designated Office(s), for which the time limit under Article 22(1), as in force from 1 April 2002 (30 months from the priority date), does apply, please see Form PCT/IB/308(Second and Supplementary Notice) (to be issued promptly after the expiration of 28 months from the priority date).
- Notice is hereby given that the following designated Office(s), for which the time limit under Article 22(1), as in force from 1 April 2002, does not apply, has/have requested that the communication of the international application, as provided for in Article 20, be effected under Rule 93bis.1. The International Bureau has effected that communication on the date indicated below: 28 October 2004 (28.10.2004)

CH

In accordance with Rule 47.1(c-bis)(i), those Offices will accept the present notice as conclusive evidence that the communication of the international application has duly taken place on the date of mailing indicated above and no copy of the international application is required to be furnished by the applicant to the designated Office(s).

3. The following designated Offices, for which the time limit under Article 22(1), as in force from 1 April 2002, does not apply, have not requested, as at the time of mailing of the present notice, that the communication of the international application be effected under Rule 93bis.1:

FI, LU, SE, TZ, UG, ZM

In accordance with Rule 47.1(c-bis)(ii), those Offices accept the present notice as conclusive evidence that the Contracting State for which that Office acts as a designated Office does not require the furnishing, under Article 22, by the applicant of a copy of the international application.

4. TIME LIMITS for entry into the national phase

For the designated Office(s) listed above, and unless a demand for international preliminary examination has been filed before the expiration of 19 months from the priority date (see Article 39(1)), the applicable time limit for entering the national phase will, subject to what is said in the following paragraph, be 20 MONTHS from the priority date.

In practice, time limits other than the 20-month time limit will continue to apply, for various periods of time, in respect of certain of the designated Offices listed above. For regular updates on the applicable time limits (20 or 21 months, or other time limit), Office by Office, refer to the PCT Gazette, the PCT Newsletter and the PCT Applicant's Guide, Volume II, National Chapters, all available from WIPO's Internet site, at http://www.wipo.int/pct/en/index.html.

It is the applicant's sole responsibility to monitor all these time limits.



The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland Authorized officer

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ATTACHMENT A